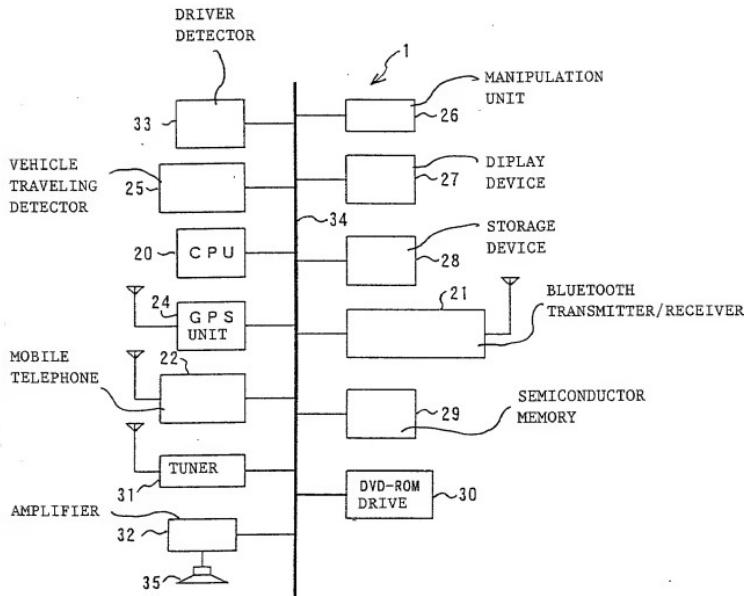


FIG. 1



F I G . 2

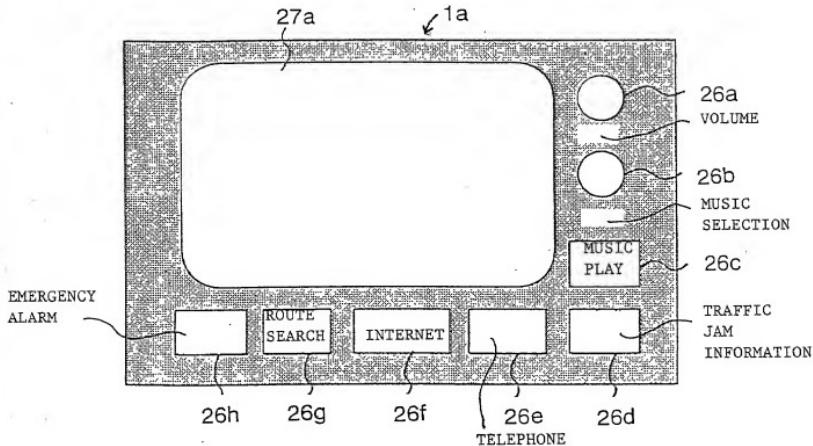


FIG. 3

MUSIC PLAY  
INTERNET RADIO  
MP3 DATA  
GROUND WAVE

RETURN

TRAFFIC JAM INFORMATION  
RADIO  
INTERNET  
VICS  
PREDICTION FROM PAST DATA  
ATIS  
SPEEDWAY PUBLIC CORPORATION GUIDE

RETURN

FIG. 4 A

FIG. 4 B

TELEPHONE  
CONTACT ADDRESS  
LIST

RETURN

ROUTE SEARCH  
DEPARTURE  
DESTINATION  
DATE AND TIME  
LOCATION  
CONDITION  
PAST RECORD

RETURN

FIG. 4 C

FIG. 4 D

EMERGENCY ALARM  
ACCESS POINT  
EMERGENCY CENTER  
AMBULANCE  
POLICE  
INSURANCE COMPANY  
REPAIR SHOP

RETURN

FIG. 4 E

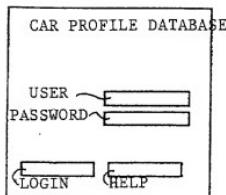


FIG. 5 A

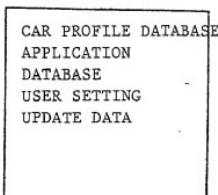


FIG. 5 B

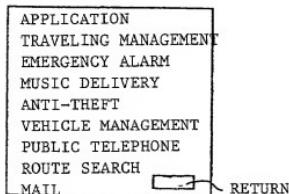


FIG. 5 C

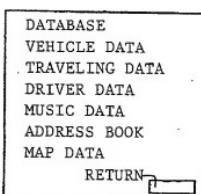


FIG. 5 D

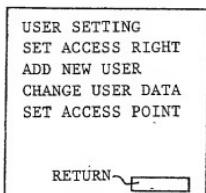


FIG. 5 E

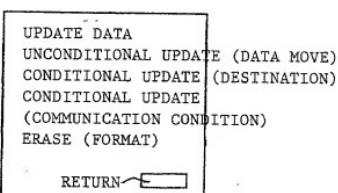


FIG. 5 F

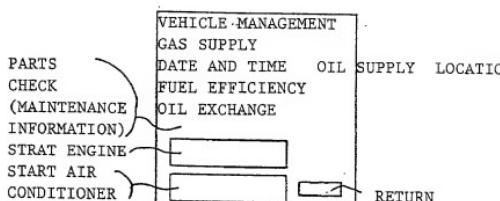
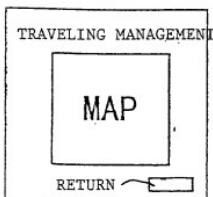


FIG. 6 A

FIG. 6 E

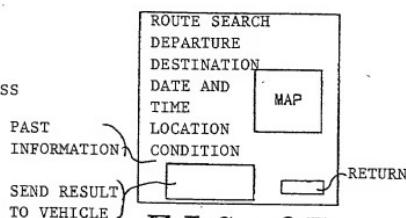
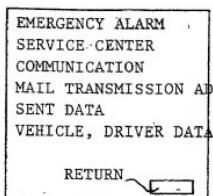


FIG. 6 B

FIG. 6 F

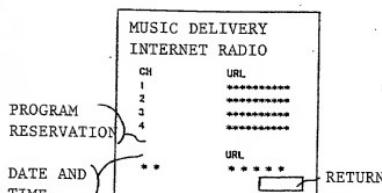


FIG. 6 C

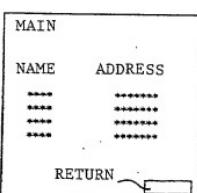


FIG. 6 G

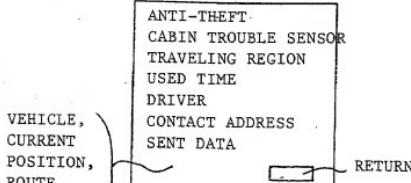


FIG. 6 D

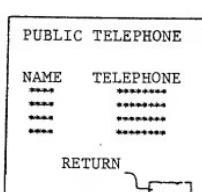


FIG. 6 H

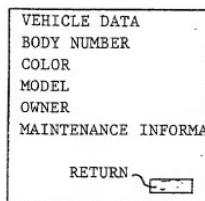
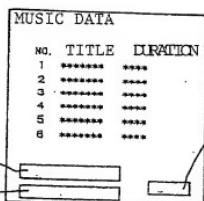


FIG. 7A



RETURN

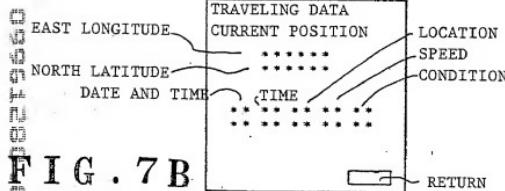


FIG. 7B

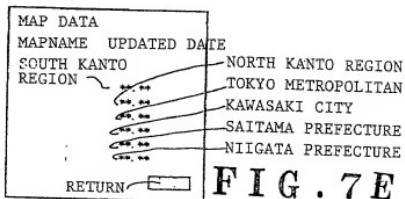


FIG. 7E

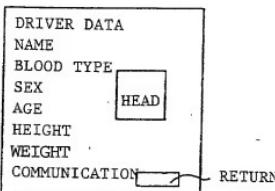


FIG. 7C

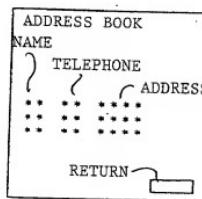
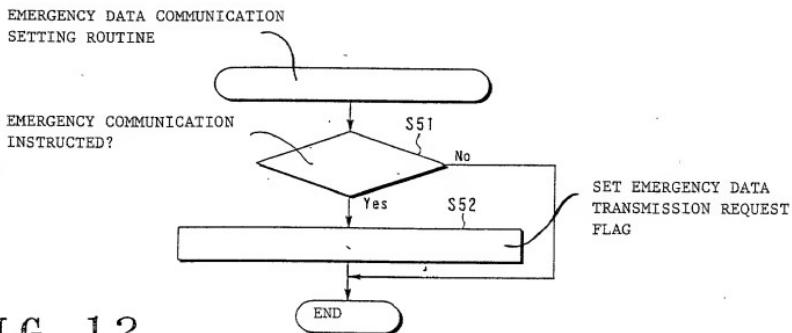
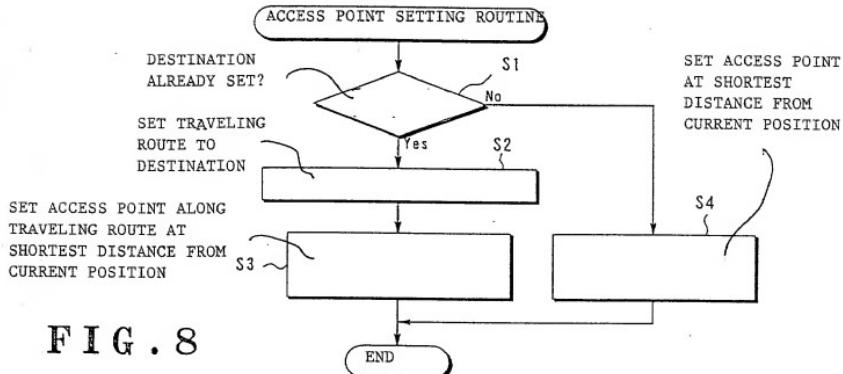


FIG. 7F



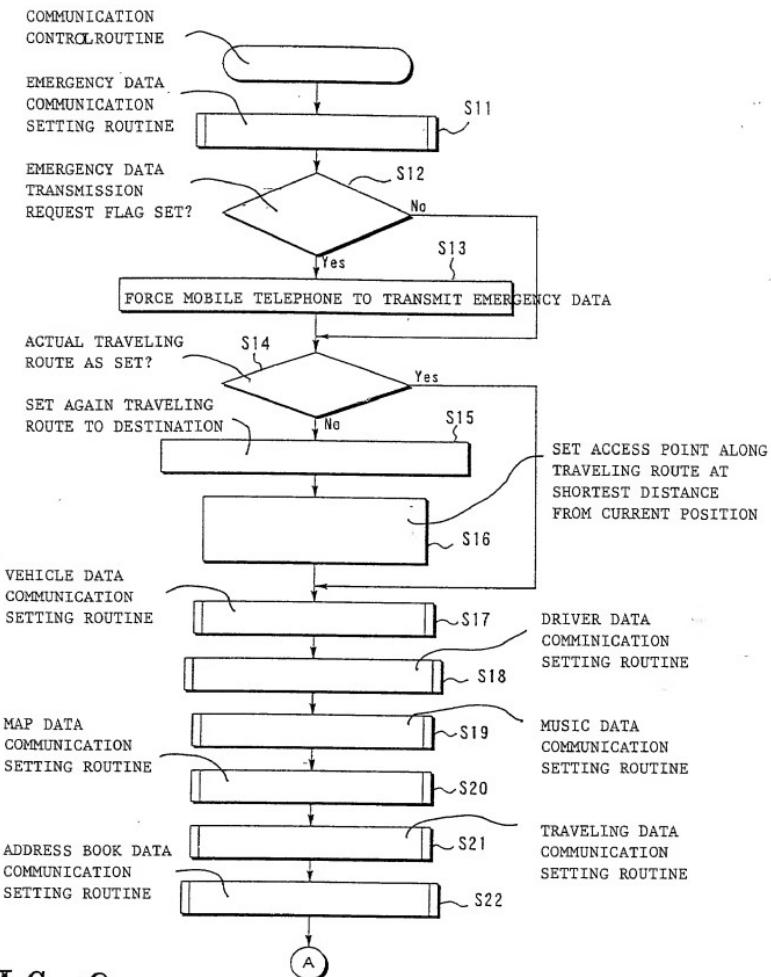
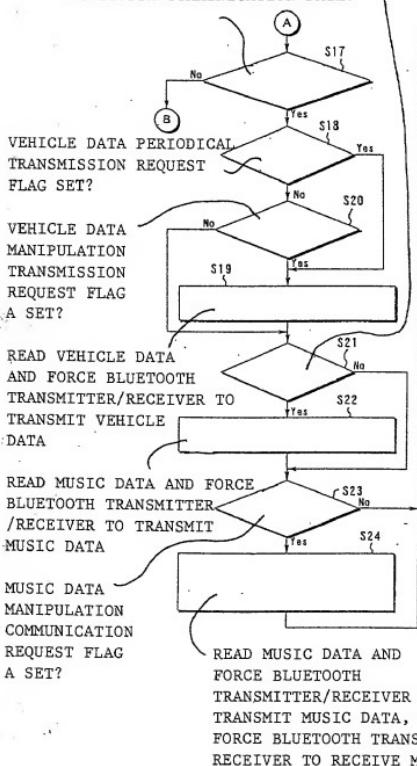


FIG. 9

MUSIC DATA  
PERIODICAL  
TRANSMISSION  
REQUEST FLAG  
SET?

DRIVER DATA TRANSMISSION  
REQUEST FLAG A SET?

COMMUNICATION AVAILABLE ON  
BLUETOOTH COMMUNICATION PATH?



READ DRIVER DATA, AND FORCE BLUETOOTH TRANSMITTER/RECEIVER TO TRANSMIT DRIVER DATA

MAP DATA PERIODICAL TRANSMISSION REQUEST FLAG SET?

READ MAP DATA, AND FORCE BLUETOOTH TRANSMITTER/RECEIVER TO TRANSMIT MAP DATA

TRAVELING DATA PERIODICAL TRANSMISSION REQUEST FLAG SET?

READ TRAVELING DATA, AND FORCE BLUETOOTH TRANSMITTER/RECEIVER TO TRANSMIT TRAVELING DATA

DRIVER DATA TRANSMISSION REQUEST FLAG SET?

READ DRIVER DATA, AND FORCE BLUETOOTH TRANSMITTER/RECEIVER TO TRANSMIT DRIVER DATA.

F I G . 1 0

COMMUNICATION AVAILABLE  
ON MOBILE TELEPHONE  
COMMUNICATION PATH?

VEHICLE DATA  
EVENT TRANSMISSION  
REQUEST FLAG SET?

VEHICLE DATA  
MANIPULATION  
TRANSMISSION  
REQUEST FLAG B SET?

DRIVER DATA  
TRANSMISSION  
REQUEST FLAG  
B SET?

READ DRIVER DATA,  
AND MOBILE  
TELEPHONE TO  
TRANSMIT DRIVER  
DATA

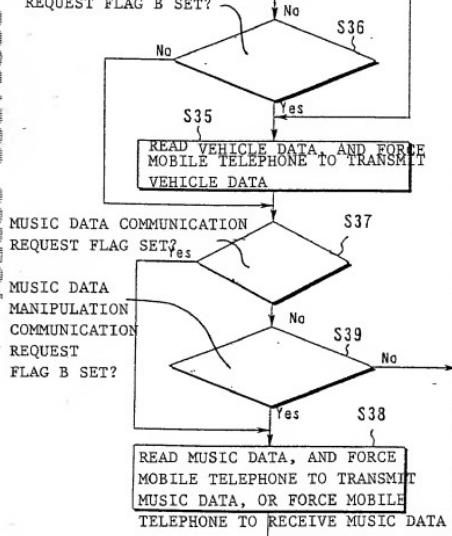


FIG. 11<sup>1</sup>

VEHICLE DATA COMMUNICATION  
SETTING ROUTINE

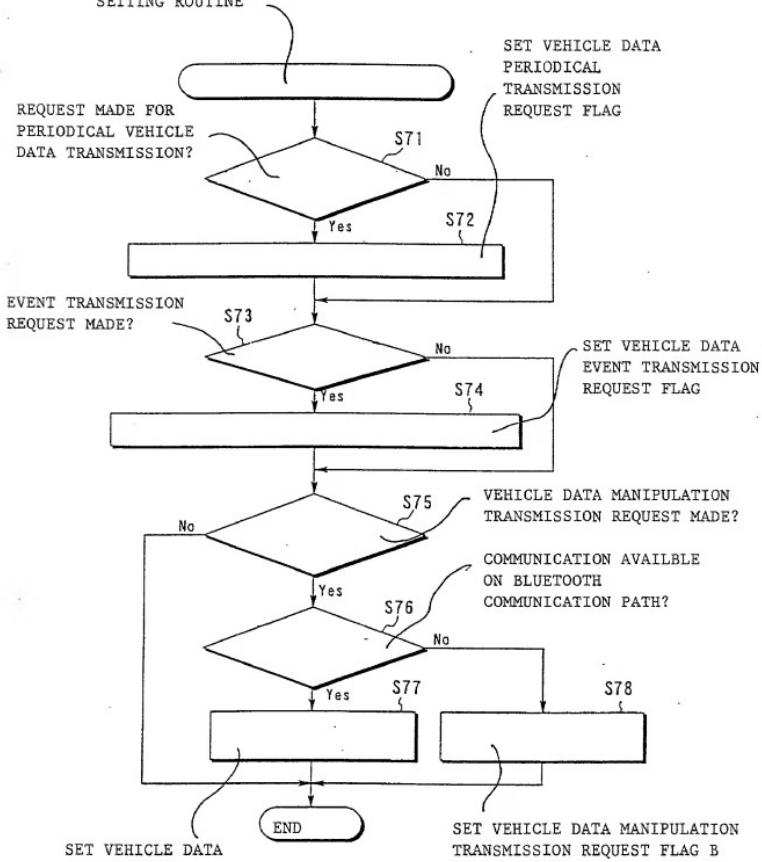


FIG. 13

052054 052055 052056 052057 052058

	TYPE	UPDATE CYCLE	PRECEDING UPDATE DATE AND TIME
VEHICLE DATA		ONE WEEK	XXXX:YY:ZZ 12:10
DRIVER DATA		START OF VEHICLE	XXXX:YY:ZZ 11:03
MUSIC DATA		TWICE A DAY	XXXX:YY:ZZ 12:00
MAP DATA		ONE A MONTH	XXXX:YY:ZZ 09:45
TRAVELING DATA		EVERY 10 MINUTES	XXXX:YY:ZZ 12:50
ADDRESS BOOK DATA		ONE A DAY	XXXX:YY:ZZ 10:10
EMERGENCY DATA			XXXX:AY:GH 17:30

(OCCURRENCE OF  
EMERGENCY

F I G . 1 4

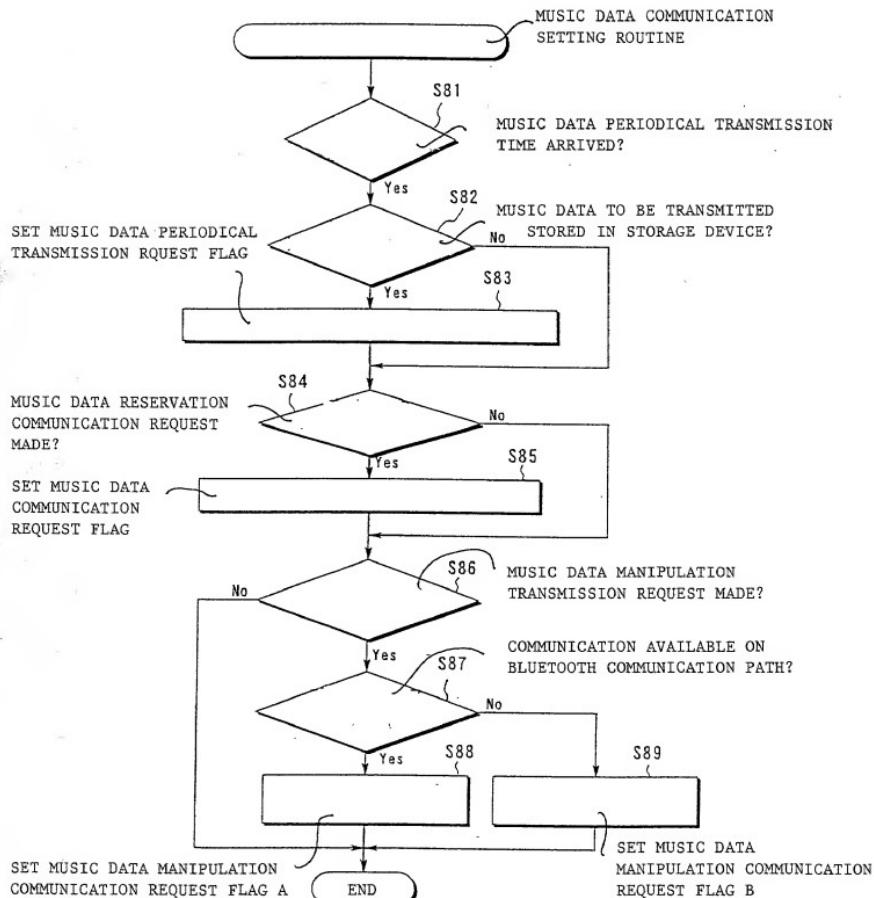
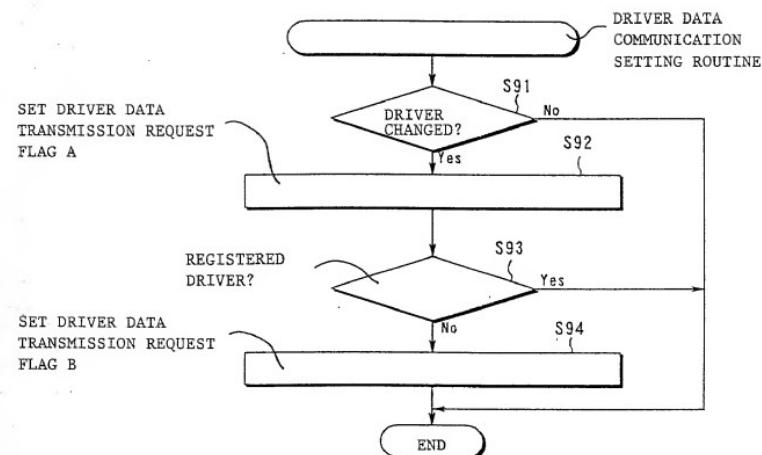
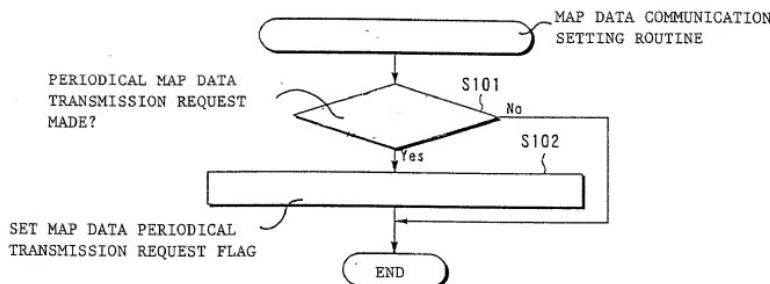


FIG. 15



F I G . 1 6



F I G . 1 7

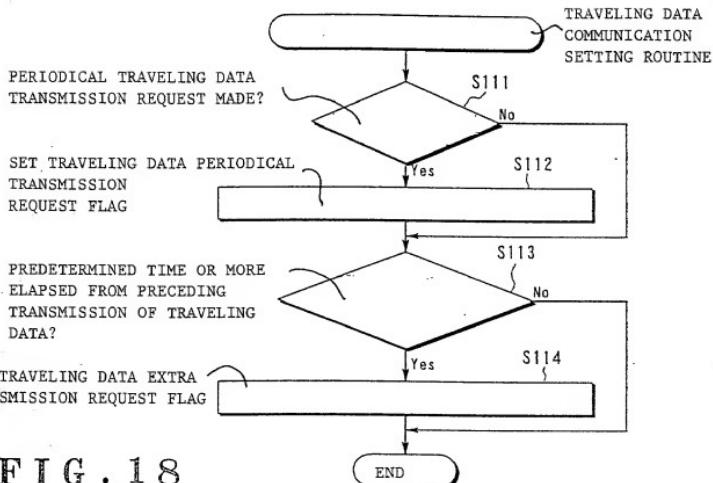


FIG. 18

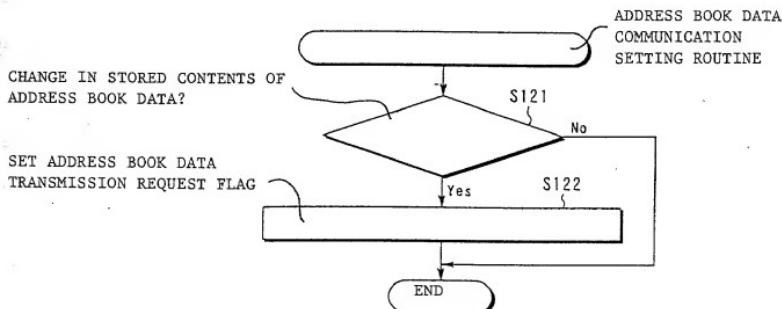


FIG. 19

TYPE	DEVICE OR SERVER		TRAVELING MANAGEMENT CENTER DEVICE		MUSIC DELIVERY CENTER DEVICE		EMERGENCY MESSAGE CENTER DEVICE	
	VEHICLE MANAGEMENT CENTER DEVICE	TRAVELING MANAGEMENT CENTER DEVICE	HOME SERVER	OFFICE SERVER	HOME SERVER	OFFICE SERVER	HOME SERVER	OFFICE SERVER
VEHICLE DATA	○	○	○	○	○	○	×	○
DRIVER DATA	○	○	○	○	○	○	○	○
MUSIC DATA	×	×	○	○	○	○	○	×
MAP DATA	×	○	○	○	○	○	×	○
TRAVELING DATA	○	○	○	○	○	○	○	○
ADDRESS BOOK DATA	×	×	○	○	○	○	×	○
EMERGENCY DATA	×	×	○	○	○	○	○	○

FIG. 20

REQUEST FOR USER  
IDENTIFICATION CODE IN  
AND PASSWORD

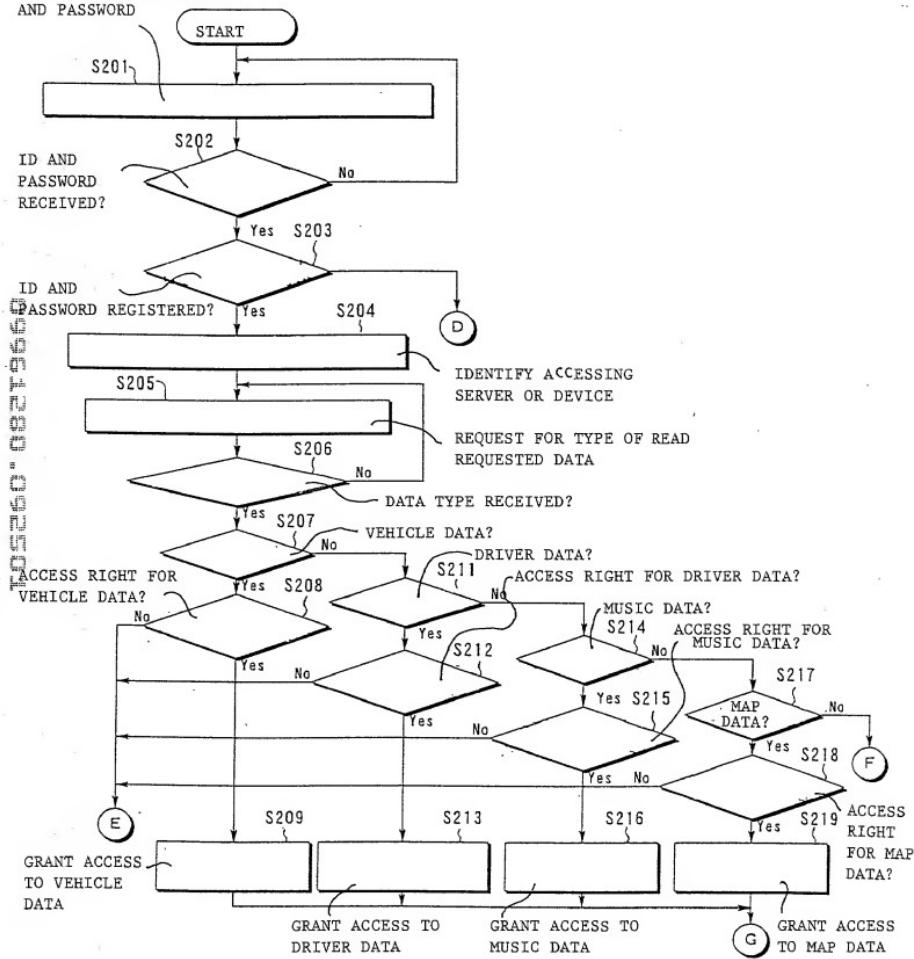


FIG. 21

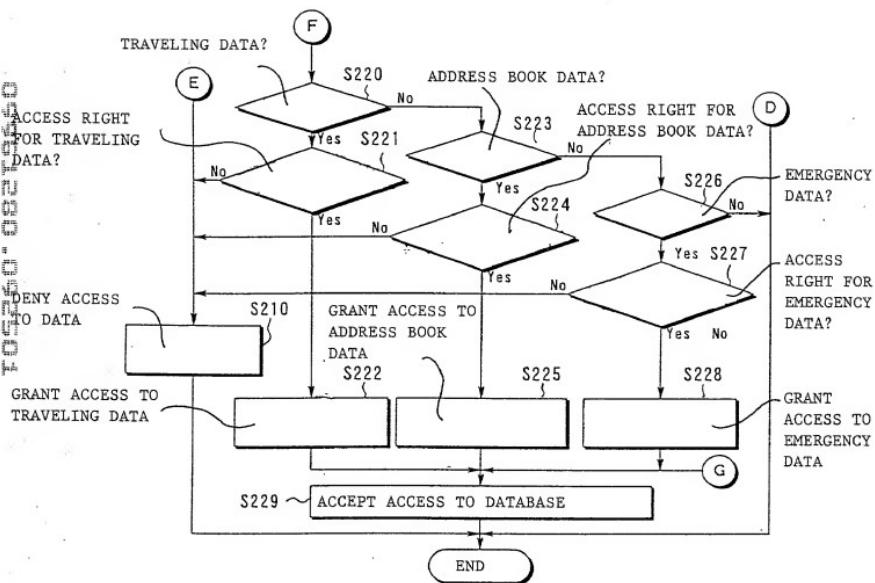


FIG. 22

USER GROUP	TYPE	FRIEND		POLICE			REPAIR SHOP
		FAMILY MEMBER	SECURITY COMPANY	FIRE STATION			
VEHICLE DATA	OWNER	○	○	○	○	○	○
DRIVER DATA	OWNER	○	○	○	○	×	○
MUSIC DATA	OWNER	○	×	○	×	×	×
MAP DATA	OWNER	○	○	○	○	○	×
TRAVELING DATA	OWNER	○	○	×	×	×	○
ADDRESS BOOK DATA	OWNER	○	×	×	×	×	×

FIG. 23

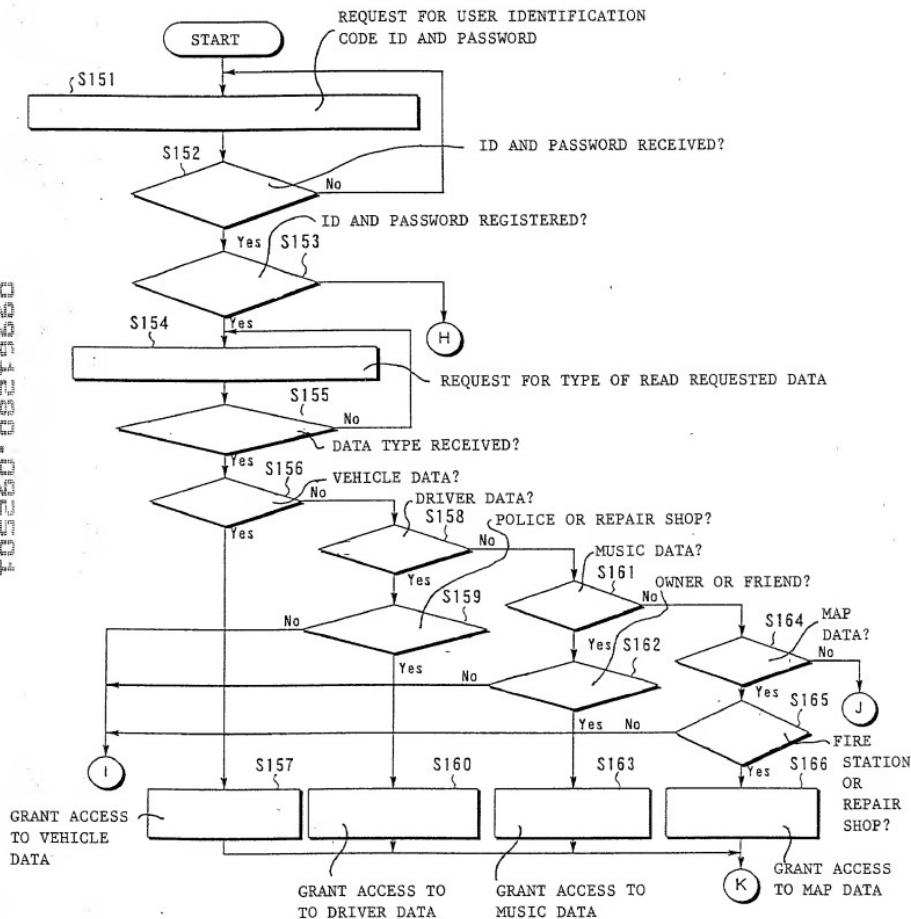


FIG. 24

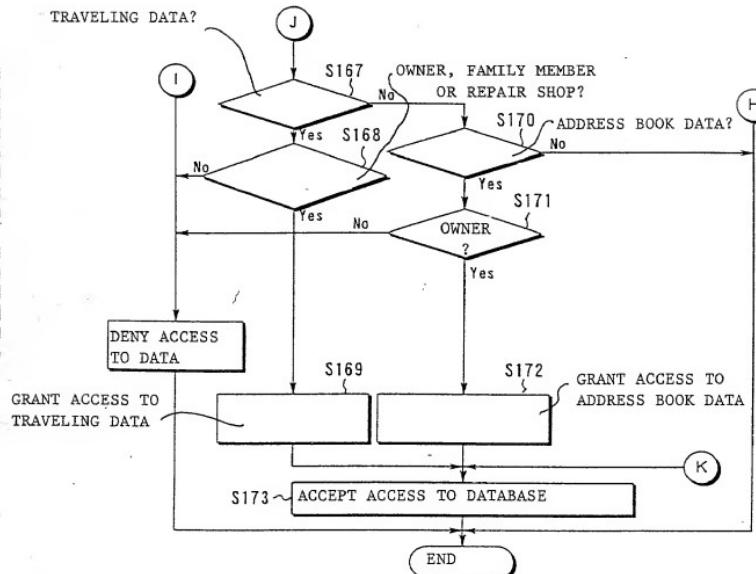


FIG. 25